

SEALANT TEST REPORT MOMENTIVE CONSTRUCTION LABORATORY WATERFORD, NY

DATE: January - February 2011

Type of Test: direct tension, destructive pull of assembled & cured assemblies,
metal bonded to glass with structural silicone

Momentive Test #: NY11-8937

Test Reference: BondCap strength testing

Strength
Displacement

Sample No.	Cure Condition	1x1x1 Sample Dim's L x W x T	Assembly Type	Ult	Ult	Substrate/Comments
				Load	Displ.	
1	ambient, weeks	7/16" contact	sealant only	32.4	27	
2	ambient, weeks	7/16" contact	sealant only	31.3	29	
3	ambient, weeks	7/16" contact	sealant only	27.5	24	
4	ambient, weeks	7/16" contact	sealant only	32.4	22	
5	ambient, weeks	7/16" contact	sealant only	33.2	26	
				31.4	26	Averages
1	ambient, weeks	7/16" contact	sealant + BK2003	45.7	10	With BondKap 45% STRONGER
2	ambient, weeks	7/16" contact	sealant + BK2003	46.5	65	
3	ambient, weeks	7/16" contact	sealant + BK2003	44.5	26	
4	ambient, weeks	7/16" contact	sealant + BK2003	44.7	71	
5	ambient, weeks	7/16" contact	sealant + BK2003	47.2	64	
				45.7	47	Averages
1	ambient, weeks	1/2" contact	sealant only	46.7	101	
2	ambient, weeks	1/2" contact	sealant only	44.5	85	
3	ambient, weeks	1/2" contact	sealant only	56.1	120	
4	ambient, weeks	1/2" contact	sealant only	39.3	77	
5	ambient, weeks	1/2" contact	sealant only	34.4	71	
				44.2	91	Averages
1	ambient, weeks	1/2" contact	sealant + BK2004	50.5	123	With BondKap 15% STRONGER
2	ambient, weeks	1/2" contact	sealant + BK2004	49.9	109	
3	ambient, weeks	1/2" contact	sealant + BK2004	45.3	110	
4	ambient, weeks	1/2" contact	sealant + BK2004	53.2	50	
5	ambient, weeks	1/2" contact	sealant + BK2004	56.0	126	
				51.0	104	Averages
1	ambient, weeks	3/4" contact	sealant only	60.3	105	
2	ambient, weeks	3/4" contact	sealant only	65.4	138	
3	ambient, weeks	3/4" contact	sealant only	62.4	105	
4	ambient, weeks	3/4" contact	sealant only	69.8	97	
5	ambient, weeks	3/4" contact	sealant only	74.5	174	
				66.5	124	Averages
1	ambient, weeks	3/4" contact	sealant + BK2001	68.1	131	With BondKap 15% STRONGER
2	ambient, weeks	3/4" contact	sealant + BK2001	80.2	69	
3	ambient, weeks	3/4" contact	sealant + BK2001	78.7	113	
4	ambient, weeks	3/4" contact	sealant + BK2001	78.1	69	
5	ambient, weeks	3/4" contact	sealant + BK2001	73.8	51	
				75.8	87	Averages

